

Bachelor of Fine Arts in Metals/Jewelry/CAD-CAM

Metals/Jewelry/CAD-CAM

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The Bachelor of Fine Arts (BFA) in Metals/Jewelry/CAD-CAM Program at the Tyler School of Art and Architecture, recognized as a national leader in the discipline, offers students access to world-class facilities, emergent technology and mentorship.

Students learn both traditional techniques and cutting-edge digital practice and theory in jewelry, metals and computer-aided design and computer-aided manufacturing (CAD-CAM, one of several technologies pioneered for use in metals at Tyler).

Students have access to the resources of Temple, a large, public research university, and Philadelphia, a premier center of jewelry making and a home base for exploring museums and galleries. Leveraging the expertise and professional networks of Tyler faculty—all practicing artists and leaders in the field—students find internships and connect with the regional and national metals and jewelry community.

Tyler students graduate with a broad base of knowledge, critical thinking skills and the technological proficiency needed for success in the jewelry industry, artistic practice or top graduate schools. The proof is in the long list of Tyler MJCC alumni who are thriving at employers ranging from David Yurman to Tiffany & Co.

Degree Requirements

The Bachelor of Fine Arts degree in Metals/Jewelry/CAD-CAM may be conferred upon a student by recommendation of the faculty and upon the satisfactory completion of a minimum of 126 semester hours of credit with a minimum cumulative GPA of 2.00. All Metals/Jewelry/CAD-CAM majors must complete the BFA curriculum (<http://bulletin.temple.edu/undergraduate/tyler/art/bfa-overview>) and General Education (<http://bulletin.temple.edu/undergraduate/general-education>) requirements.

- Students must earn a C- or better in ART 2401, and ART 2402 or ART 3402 to enter the Metals/Jewelry/CAD-CAM major.
- The seven required Junior/Senior studio courses and ART 4096 (capstone) must be completed with a C- or better to fulfill major requirements.

The faculty encourages taking Metals/Jewelry/CAD-CAM courses in excess of the minimum required. These additional courses count towards required studio electives.

Major Requirements for B.F.A. in Metals/Jewelry/CAD-CAM

Code	Title	Credit Hours
Sophomore Prerequisite		
ART 2401	Jewelry	3
ART 2402 or ART 3402	CAD/CAM I Computer-Aided-Design/Computer-Aided-Manufacture ¹ CAD/CAM I Computer-Aided-Design/Computer-Aided-Manufacture	3
Junior Requirements		
ART 3406	Junior Metalsmithing (fall only)	3
ART 3407	Junior Metalsmithing (spring only)	3
One specialized Metals course (see list below)		3
ART 2404 or ART 3404	CAD/CAM II Computer-Aided-Design/Computer-Aided-Manufacture CAD/CAM II Computer-Aided-Design/Computer-Aided-Manufacture	3
Senior Requirements		
ART 4401	Senior Metals and Plastics (fall only)	3
ART 4402	Senior Metals and Plastics (spring only)	3
One specialized Metals course (see list below)		3
ART 4096	Business Practices in Crafts (Capstone, WI, spring only)	3

¹ ART 2401 Jewelry is a prerequisite for ART 2402 CAD/CAM I Computer-Aided-Design/Computer-Aided-Manufacture, but both can be taken concurrently.

Specialized Metals/Jewelry/CAD-CAM (MJC-C) Courses

Code	Title	Credit Hours
ART 2408	Electroforming Workshop	3
ART 3408	Electroforming Workshop	3
ART 2412	Color in Metals	3
ART 3412	Color in Metals	3
ART 2409	Plastics for Jewelry and Objects	3
ART 3409	Plastics for Jewelry and Objects	3
ART 2405	Machine Tool Processes	3
ART 3405	Advanced CAD/CAM	3
ART 2411	Production Processes	3
ART 3411	Production Processes	3
ART 2407	Casting	3
ART 2414	Casting	3
ART 3417	Metalsmithing	3
ART 3413	Enameling	3
ART 3414	Plastics for Jewelry	3
ART 3415	Lapidary and Stone Setting	3
ART 3416	Photo Processes and Etching Jewelry	3
ART 4404	Rapid Prototyping	3
ART 4405	Rapid Prototyping	3
ART 4403	Senior Seminar in Metals	3
ART 3085	Field Internship	3

Suggested Academic Plan

Please note that this is a **suggested** academic plan. Depending on your situation, your academic plan may look different.

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Requirements for New Students starting in the 2019-2020 Academic Year

Year 1		Credit Hours
Fall		
FDPR 1511	Foundation Drawing ¹	3
FDPR 1521	2D Foundation Principles	3
FDPR 1531	3D Foundation Principles/W	3
FDPR 1501	Introduction to Art and Design	1
ARTH 1155 or 1955	Arts of the World I: Prehistoric to 1300	3
ENG 0802, 0812, or 0902	Analytical Reading and Writing [GW]	4
Term Credit Hours		17
Spring		
FDPR 1512	Foundation Drawing	3
FDPR 1522	2D Foundation Principles	3
FDPR 1532	3D Foundation Principles/C	3
FDPR 1502	Investigations of Art and Design	1
ARTH 1156 or 1956	Arts of the World II: 1300 to the 21st Century ¹	3
IH 0851 or 0951	Intellectual Heritage I: The Good Life [GY]	3
Term Credit Hours		16
Year 2		
Fall		
ART 2401	Jewelry	3
ART or GAD 2000-2999 Sophomore Studio Electives		3
ART or GAD 2000-2999 Sophomore Studio Electives		3

IH 0852 or 0952	Intellectual Heritage II: The Common Good [GZ]	3
GenEd Quantitative Literacy Course [GQ]		4
Term Credit Hours		16
Spring		
ART 2402 or 3402	CAD/CAM I Computer-Aided-Design/Computer-Aided-Manufacture	3
ART or GAD 2000-2999 Sophomore Studio Electives		3
ART or GAD 2000-2999 Sophomore Studio Electives		3
GenEd Breadth Course		3
GenEd Breadth Course		3
Term Credit Hours		15
Year 3		
Fall		
ART 3406	Junior Metalsmithing	3
Specialized MJC-C Course		3
ART or GAD Studio Elective		3
GenEd Breadth Course		3
Art History Elective ²		4
Term Credit Hours		16
Spring		
ART 3407	Junior Metalsmithing	3
ART 2404 or 3404	CAD/CAM II Computer-Aided-Design/Computer-Aided-Manufacture	3
ART or GAD Studio Elective		3
Art History Elective [WI]		4
GenEd Breadth Course		3
Term Credit Hours		16
Year 4		
Fall		
ART 4401	Senior Metals and Plastics	3
ART 4096	Business Practices in Crafts [WI]	3
Specialized MJC-C Course		3
GenEd Breadth Course		3
Non-Studio Elective		3
Term Credit Hours		15
Spring		
ART 4402	Senior Metals and Plastics	3
ART or GAD Studio Elective		3
ART or GAD Studio Elective		3
Open Elective ²		3
GenEd Breadth Course		3
Term Credit Hours		15
Total Credit Hours:		126

¹ These 2 courses constitute the waiver for the GenEd Arts category if the courses are completed with a C- or better.

² Students completing a 3 credit Art History 2000+ elective **must** select a 4 credit open elective to reach the minimum 126 credits to earn the BFA degree.

Please Note: An approved study abroad program waives the GenEd Global/World Society (GG) requirement; however, these credits must be made up with academic coursework taken outside of Tyler departments to be in compliance with BFA accreditation. MJC-C majors interested in studying abroad should consult with an academic advisor to determine if a semester (generally spring semester of second year) or a summer program would be the best option to remain on track for graduation.